

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Canceled).

2. (Currently Amended) An image display apparatus comprising:
a two dimensional image displaying device for displaying a two dimensional image;
an image providing device including a plurality of lenses disposed in front of and parallel to a display plane of said two dimensional displaying device, each lens having any static one of a plurality of different focus distances; and
an image signal generating device for generating an image signal of the two dimensional image to be displayed on said two dimensional image displaying device, corresponding to the focus distance of each lens, on the basis of distance information which indicates the image provided position of each of a plurality of image portions consisting the two dimensional image.

3. (Currently Amended) The image display apparatus according to claim ±2, wherein
said image providing device is configured by a plurality of

stocked lens arrays.

4. (Currently Amended) The image display apparatus according to claim 12, wherein

said image providing device is set to provide an image of said two dimensional image displaying device at fronts of a display plane of said two dimensional image displaying device.

5. (Currently Amended) The image display apparatus according to claim 12, wherein

said image providing device is set to provide an image of said two dimensional image displaying device at rears of a display plane of said two dimensional image displaying device.

6. (Currently Amended) The image displaying apparatus according to claim 12, wherein

the lens is an aspheric lens.

7. (Currently Amended) The image displaying apparatus according to claim 12, wherein

the lens is a Fresnel lens.

8. (Currently Amended) The image displaying apparatus according to claim 12, wherein

the lens is a grated index lens.

9. (Currently Amended) The image displaying apparatus according to claim 12, wherein

a member having a predetermined refractive index is inserted between the lens and said two dimensional image displaying device.

10. (Currently Amended) The image displaying apparatus according to claim 12, wherein

a separating device for optically separating the plurality of lenses is disposed between the plurality of lenses and said two dimensional image displaying device.

11. (Currently Amended) The image displaying device according to claim 12, wherein

said two dimensional image displaying device is a cathode ray tube displaying device.

12. (Currently Amended) The image displaying device according to claim 12, wherein

said two dimensional image displaying device is a liquid crystal displaying device.

13. (Currently Amended) The image displaying device according to claim 12, wherein

said two dimensional image displaying device is an

electroluminescence displaying device.

14. (Currently Amended) The image displaying device according to claim 12, wherein said two dimensional image displaying device is a plasma displaying device.

15. (Currently Amended) The image displaying device according to claim 12, wherein the plurality of lenses are disposed corresponding to each of pixels of said two dimensional image displaying device.

16. (Currently Amended) The image displaying apparatus according to claim 12, wherein the plurality of lenses are disposed corresponding to a predetermined block of pixels of said two dimensional image displaying device.

17. (Original) The image displaying apparatus according to claim 2, wherein the plurality of lenses are disposed along a horizontal line of said two dimensional image displaying device.

18. (Original) The image displaying apparatus according to claim 2, wherein

the plurality of lenses are disposed along a vertical line of said two dimensional image displaying device.

19. (Currently Amended) The image displaying apparatus according to claim ~~12~~, wherein

the image signal generating device includes at least one of brightness information, color information, size information and focus information, which are added to an image displayed on the display plane.

20. (Currently Amended) The image displaying apparatus comprising:
a two dimensional image displaying device for displaying a two dimensional image;

an image providing device made of a plurality of focus variable lenses disposed in front of and parallel to a display plane of said two dimensional image displaying device;

an image signal generating device for generating an image signal of the two dimensional image to be displayed on said two dimensional image displaying device and information about a focus distance of the focus variable lens, on the basis of distance information which indicates the image provided position of each of a plurality of image portions consisting the two dimensional image; and

a focus distance controlling device for controlling the focus distance of the focus variable lens, on the basis of the

information about focus distance,
said image providing device providing the two dimensional image as
an upright image.

21. (Original) The image displaying apparatus according to claim 20,
wherein

the plurality of the focus variable lenses are disposed
corresponding to each of pixels of said two dimensional image
displaying device.

22. (Original) The image displaying apparatus according to claim
20, wherein

the plurality of the focus variable lenses are disposed
corresponding to a predetermined block of pixels of said two
dimensional image displaying device.

23. (Original) The image displaying apparatus according to claim
20, wherein

the focus variable lens is a liquid crystal lens.

24. (Original) The image displaying apparatus according to claim
23, wherein

the liquid crystal lens is a lens system including a fix lens.

25. (Original) The image displaying apparatus according to claim

24, wherein

the fix lens is disposed at a liquid crystal side of the liquid crystal lens, or an opposite side to the liquid crystal side, or at said both side.

26. (Original)The image displaying apparatus according to claim 24, wherein

the fix lens is an aspheric lens.

27. (Original)The image displaying apparatus according to claim 24, wherein

the fix lens is a Fresnel lens.

28. (Original)The image displaying apparatus according to claim 24, wherein

the fix lens is a grated index lens.

29. (Original)The image displaying apparatus according to claim 20, wherein

a member having a predetermined refractive index is inserted between the focus variable lens and said two dimensional image displaying device.

30. (Original)The image displaying apparatus according to claim 20, wherein

a separating device for optically separating the plurality of focus variable lenses is disposed between the plurality of focus variable lenses and said two dimensional image displaying device.

31. (Original)The image displaying apparatus according to claim 20, wherein

said two dimensional image displaying device is a cathode ray tube displaying device.

32. (Original)The image displaying apparatus according to claim 20, wherein

said two dimensional image displaying device is a liquid crystal displaying device.

33. (Original)The image displaying apparatus according to claim 20, wherein

said two dimensional image displaying device is an electroluminescence displaying device.

34. (Original)The image displaying apparatus according to claim 20, wherein

said two dimensional image displaying device is a plasma displaying device.

35. (Original)The image displaying apparatus according to claim

20, wherein

the image signal generating device includes at least one of brightness information, color information, size information and focus information, which are added to an image displayed on the display plane.

36. (Canceled).

37. (Currently Amended) An image displaying method comprising:
disposing an image providing device made of a plurality of lenses, each lens having any static one of focus distances, disposed in front of and parallel to a display plane of a two dimensional image displaying device for displaying a two dimensional image, displaying ~~an~~ the two dimensional image by inputting an image signal, which is generated by an image signal generating device corresponding to each focus distance of the lenses on the basis of distance information which indicates the image provided position of each of a plurality of image portions consisting the two dimensional image, into the two dimensional image displaying device, and providing the displayed two dimensional image by the image providing device at a position different from the display plane.

38. (Currently Amended) An image displaying method comprising:
disposing an image providing device made of a plurality of focus

variable lenses disposed in front of and parallel to a display plane of a two dimensional image displaying device for displaying a two dimensional image, displaying an image by inputting an image signal, which is generated by an image signal generating device on the basis of distance information which indicates the image provided position of each of a plurality of image portions consisting the two dimensional image, into the two dimensional image displaying device, and providing the to-be-displayed two dimensional image as an upright image at any position by controlling a focus distance of the focus variable lens on the basis of the distance information.